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NEWS MEETING
will be held on
Friday at 4 P.M.
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in Boynton Hall

7320

TECH NEWS



PEDDLER
Writers needed for
Yearbook im-
mediately. See
Fred Miller in
Boynton 19.
Tues. 4 P.M.

VOL. XXXI

WORCESTER, MASS., FEBRUARY 27, 1940

NO. 18

Capt. Borge Rohde Talks in Fuller Lecture on "Why I Choose America"

Danish Officer Impresses Audience With Charm and Cosmopolitan Distinction

One of the most entertaining of the Fuller lectures presented this year was the talk given last Friday, Feb. 23, by Captain Borge Rohde, Chaptain Rohde, formerly an officer in the Danish army, and soon to become an American citizen, spoke on, "Why I Choose America." He clearly substantiated his choice with a flattering comparison of the American scene and the foreign situation.

The most striking characteristic of American life to the foreign observer, said Captain Rhode, is the privileges enjoyed by the American citizen. The very basis of the American political structure, the Constitution, provides that every American may have complete freedom of speech, religion, and press, and the right of assembly. None of these primary rights is enjoyed by the citizen of the totalitarian state, of which Europe is for the most part composed. The average American, said Captain Rohde, underestimates the value of democracy.

Captain Rohde was formerly Captain of the Royal Guard and Gentleman in Waiting to the King. His twenty years of service in direct contact with the royalty of not only Denmark, but also of the other countries who, from time to time, visited the Danish court, gave him a thorough knowledge of the European picture, and his presentation of it was clear, concise, and interesting.

He spoke briefly about conditions in his own country, Denmark. Though it is a sovereign state, the power of government is vested in the hands of the parliament which is composed mostly of common people. Even though Denmark is small, it is peaceful, progressive, and prosperous. The aged are cared for by government pensions, and state hospitals are provided for the poor.

Captain Rohde was lavish in his praise of American scenic beauty. "Americans who travel in the Swiss Alps," he said, "leave behind them the greatest natural wonders of the world. The Grand Canyon, Niagara Falls, and Yellowstone Park are the most beautiful sights of all."

Having been in this country only a short time, Capt. Rohde spoke with a slight accent, which served only to make his talk more entertaining. His lecture was given in carefully-chosen flawless English and was very well received by students and guests alike.

The Band and Glee Club entertained the assembly before the lecture.

As is the custom every year this Fuller lecture, the one following Washington's birthday, was presented by the Student Christian Association. Clark Goodchild, president of the S. C. A., conducted the assembly. The assembly closed with the singing of the Alma Mater.

Dr. G. R. Dunlop Gives Health Talk

Dr. George R. Dunlop addressed the Freshman class of W.P.I. on the subject of "First Aid in Emergency" at 8 A.M. on Monday, February 26. Dr. Dunlop's address was a phase of the Second Worcester Health Week program.

(Continued on Page 4, Col. 2)

M.E. Conclave Here May 4-5

Committee Arranges Varied Program For N. E. Conference

In preparation for the New England Conference of the student A. S. M. E. societies to be held in Worcester Friday and Saturday, May 4 and 5, a meeting of the committee members was held last Friday at which a tentative entertainment program was outlined.

The proposed schedule of events will be an inspection trip Friday morning followed by a luncheon. In the afternoon the first technical session will be held followed by a dance. Saturday will witness another technical session in the morning following which a banquet is to be held at which prizes for the best student speakers will be awarded. Saturday afternoon the members of the society will have another inspection trip to close the regional convention.

As the reputation of our college, in the opinion of all the important technical schools of New England is at stake, it is hoped that all of the members of Tech's society will plan to attend all the functions during that week-end. All aspiring mechanical engineers, still desiring membership in this society should submit their applications with necessary fee of three dollars before March 14. All back issues of the monthly magazine will be provided.

The following committees have been appointed by the officers of the student branch to make arrangements for the convention.

The dance committee consists of Philip Bartlett as chairman; Walter S. Knight, Hilliard Paige, Berkeley Williams, Jr., Spencer Lang, E. Munroe Bates, Jr., and William J. Paulsen. Banquet, Robert Newton, chairman; Chandler C. Walker, Edward O'Gara Jr., Malcolm S. Burton, and Stanley Majka.

(Continued on Page 2, Col. 3)

Tech Council Picks New College Jacket

For the past several weeks the Tech Council Committee on College Jackets, chairmaned by Paul Johnson, has been busy getting bids from various clothiers of Worcester and vicinity for the college jacket officially adopted by the Council and the student body last year. The jacket selected is similar to those obtained last year by the present Junior class and will be priced in the vicinity of \$12.50 if purchased during the scheduled time. The Premier Tailor of Highland Street is supplying the jackets.

Efforts of the Council have been to standardize the color and style of the jacket as well as the source of supply from year to year. It was also believed that a local firm would give greater satisfaction than an outsider. Measurements will be taken at a date in the near future and final arrangements announced then. All jackets will be ready for the Soph Hop. Other members of the committee are Robert Dunklee, Charles Hobel, Donald Smith, Norman Kerr, Raymond Shlora, and Richard Stoliker.

Prof. C. Knight In Hospital

Loss Greatly Felt By Students; Prof. Locke, Siegfried Substitute

On Friday, February 16th, Carl Dunham Knight, Professor of Electrical Engineering was taken sick, and on the following Sunday was taken to Hahnemann Hospital. This was quite a surprise to most of the students as he seemed to be in good health. Prof. Morgan, head of the department, said "His temporary absence would be a great loss to the department." He has been teaching at the Institute since 1904 and at the present time is carrying some of the more important courses in that department. During his absence, Prof. Siegfried will take over the course in illumination. Prof. Locke will do the electrical maintenance work of the Institute while Charles Thulin, a graduate student, will fill in on the laboratory courses. However, his absence is noticed by every student who had classes with him, and it is certain that every student at W.P.I. wishes Prof. Knight a speedy and complete recovery.

Prof. Knight received his B.S. degree in Electrical Engineering here at W.P.I. in 1903 and a degree of Electrical Engineering in 1908. He did part time instructing from 1904 to 1908. In 1908 he became an assistant professor of experimental electrical engineering. In 1920 he was made a full professor. He has been a faculty advisor of the Tech Council for many years.

A. B. Holstrom Talks To Senior Class

As one of their weekly lectures, the seniors recently heard Andrew B. Holstrom, works manager for Norton Company. Holstrom spoke specifically of the engineer in a business executive's position. He said, "An executive must get up early in the morning and be the last to leave at night." Too many men shouldn't report to one man, delegate authority, fit men in the right place and then have confidence in your decision, be humane, were all points covered by Mr. Holstrom's talk.

Holstrom has recently returned from ten years abroad in Germany, France, and England, establishing plants there.

This week, the seniors will hear the personnel man from United Shoe Machinery, Mr. Benson.

Camera Club to Hear Talk on Kodachrome

The Worcester Tech Camera Club will hold a regular meeting Friday evening, March 1. Frank A. Cox of M. J. Whittall Associates, Inc., will speak on the use of professional Kodachrome in advertising rugs made by his company.

Author of a recent article in "Photo Technique," Mr. Cox will describe his work with the Whittall Co. Salesmen of the company now carry Kodachrome transparencies of their rugs instead of a ton and a half of actual samples. The company maintains its own studio and has developed various types of illuminators for displaying their samples. Mr. Cox has made the claim that he has taken more professional Kodachrome transparencies than anyone else in the United States. His talk will

Clark Sharpshooters Nose Out Boynton-Hillers, 44-40

Joy and Sorrow Spread by Snow

"Strong Men From the North" Welcome Storm; Others Regret Occasion

"Ah! skiing, wonderful sport, so invigorating, so healthful! Yes, this snow storm surely was great, wasn't it?" "Ah! skiing, ah phooey. Der beginning is grand, but der ending, ugh. Der feets where der head should be and vice versa. Oh for der spring and der birds and der bees and der flowers and der trees!"

Now pause, gentle reader; count ten, and begin all over again. The above comments were not made in the local booby hatch, but are typical of the conflicting opinions on the recent blizzard which blanketed the Tech campus. The strong men from the north reveled over the occasion, while many of the men from the south, east, and west stood out upon the campus and exchange compliments with each square foot of the beautiful white blanket, particularly so when they sunk knee deep into a portion that had a water content of about 99.9 per cent.

One of the most amazing sights during the first few days of last week was the Frosh ski patrol that struggled manfully over the barren wastes of West Street and managed to be at Salisbury laboratory in the immediate vicinity of eight o'clock. Speaking of eight o'clocks, that distasteful subject, the blizzard offered one of the most valid excuses for not being present at the beginning of these classes, to say nothing of the ending. As a matter of fact, it so hampered some of the student body, so they said, that they never did make an eight o'clock all week.

After all is said and done, though, the first taste of real winter did provide an opportunity for the men of Tech to enjoy some real winter sports. The ski enthusiasts seemed to get the greatest enjoyment out of the snow, while the non-skiers had just as much fun placing wagers to see who would break their neck first—but no one did!

Homework Done While You Wait

Paging a lazy man. Here's the answer to the prayer of anyone who has sweated long hours over integral calculus and wished that someone else would do his homework. Yes, you're right, science in the person of the Bell Telephone laboratories has developed the isograph which is an instrument for finding all the roots including complex roots of rational integral equations of high degree. A film describing this instrument, loaned by the Bell Laboratories will be shown in the Electrical Engineering Lecture Hall on Monday afternoon, March 4th, at 4:15.

(Continued on Page 4, Col. 2)

not be on the technical side of the subject but will deal mostly with his problems and experiences in working with professional Kodachrome. Without question Mr. Cox will be one of the most interesting speakers that the Camera Club has ever had.

Foul Shots And Nervousness Lose Game For Tech

Wells And Bellos Shine For W.P.I.; Maslowski And Shopes Star For Scarlet

Worcester Tech's ten game winning streak was shattered last Saturday night in Alumni Gym by an outplayed Clark team which won the game on foul shots, 44-40. Before a crowd of nearly two thousand people, one of the largest crowds that the Gym has ever seen, the Engineers of Coach Pete Bigler flipped in 19 field goals to Clark's 17. The game, which featured 23 fouls, was the roughest game that has been played in Alumni Gym in a long time. Worcester Tech, however, seemed to be unable to find the basket from the foul line and only sunk two points on foul opportunities while Clark made nearly every one of their tries good and rolled up 11 points as a result. This was the factor that turned the tide in Clark's favor.

The crowd which packed Alumni Gym started arriving at 5:30 Saturday afternoon and by the time the clock read 6:30 the available seats were all taken and the audience took to the rafters. Besides the 600 odd Tech students present there were over a thousand other Tech and Clark rooters. This crowd was on pins and needles for the entire game and never once did the cheering stop from start to finish.

Stan Maslowski took the high scoring honors of the evening with 14 points while Shopes a freshman imported from Rochester, N. Y., was second high on the Clark team with 13 points. Wells and Bellos led the scoring for the Engineers with 13 and 10 points apiece.

The game was close all the way and the score teetered at about a three point lead for the South End boys for most of the game. Tech led 15-13 with six minutes to go in the first half and on several occasions later in the game tied up the score. At the half, Clark led 24-21 and managed to maintain this meager lead until the final gun went off and found the score 44-40. This Clark victory is the fifth in the long series of 34 games that the two teams have played, and leaves the Boynton Hill team still in the lead, 29-5 games.

The Clark team got off to a good start and rolled up a seven point lead in the first few minutes of play, but the Engineers did not stand for this one-sided scoring for very long. Forkey erased the zero and then Bellos, Shlora and Wells went to town to give the Engineers the lead at the 14-minute marker and with two minutes to go in the first half had a 19-15 lead. Maslowski and Shopes then rallied to the cause and placed Clark in the lead again, so that the score at the half stood at, Clark 24, Tech 21.

Clark continued their rally in the first few minutes of the second period but their drive soon bogged down and the Biglermen took the chance to score 8 points and tie the score up at 29 all with five minutes of the session gone. The South End team, however, forged into the lead at this point and by hard playing managed to retain the advantage for the remainder of the game, although Tech threatened this slim lead every second. As the period

(Continued on Page 3, Col. 4)

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TERMS

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Editorials

Model Building In Engineering

It has occurred to this writer that it might be very worth while for the students of Worcester Tech to engage themselves in some sort of a project such as a model railroad in order to develop latent qualities and interests within the student.

The value of this type of extracurricular activity lies in the linking together of theory and practice and in creating a genuine interest in various technical problems that arise as work progresses. Then too, there is a good chance to bring forth creative ability, a desirable quality in an engineer. Also, there is an untold satisfaction that comes from actually building something and seeing the thing, which started with the mere germ of an idea, gradually take form and meaning, and eventually emerge as a finished unit—incorporating all of the ideas and theories of its builders. It takes time, yes, but does not anything really worth while take time?

Next to working with the real units, the model offers the best means of getting valuable experience in working out the multitude of little problems and "bugs" that inevitably creep into mechanical contrivances as they undergo development. Occasionally, new ideas are worked out in models and later incorporated in full-size units. Usually, too, a model, particularly a working model, is invaluable in putting a new idea across to a management or engineering group in industry, and can be understood much more easily than the corresponding set of drawings.

Our Work is Done

This issue marks the final efforts of the present senior staff to put out "the best paper in the history of the college." Quite naturally we wish to recall to your mind what we have done in the way of improvement if any.

A policy of "all the news when it is news" was inaugurated and an attempt made to cover every activity on the campus. To facilitate this policy, the News separated all stories into three general classes: sports, general news, club and fraternity news.

Sports stories were confined to a definite place in the news on page three, with a suitable heading, with the exception of especially prominent events or battles. Two "ears" or boxes were added to this sports page to call attention to future athletic encounters so as to boost attendance.

General news and feature stories were played up on page one. A special attempt was made to have more faculty news printed. Two "ears" were added on page one for general notices.

The cooperation of all fraternities was requested in an effort to keep track of their affairs and to report anything newsworthy before Saturday noon. The result was a column of "Fraternity News."

Clubs were requested to give advance notices of their meetings as well as reports of their meetings. These were also featured on page two in a "Club News" column.

Mechanically the NEWS has changed from natural to white paper and from brown to black ink. A photo engraving apparatus has been set up and should be working within a few weeks so that the NEWS will not only have stories but pictures of big events.

Yes, our work is done. Our best wishes for all possible success to our successors.

Club News

AERO CLUB

An aero club meeting was held in the aero library Friday, Feb. 23. Featured were films supplied by the Good-year Tire and Rubber Company explaining airwheel equipment on airplanes, and showing the construction and flying of the U.S.S. Macon. Also on display were contest rubber-powered model airplanes constructed by Harold Crane and Eugene Larabee, and a gasoline-powered model airplane constructed by John Loneragan. Attendance was somewhat hampered by bad driving conditions.

RIFLE CLUB

With only a few more matches left to shoot, the W.P.I. Rifle Team is rounding out the most successful season which it has had in the past four years. This year, for the first time, the team has been a member of the New England College Rifle League and as a result has shot against the best teams in the East. Although they managed to win only two of the eight matches in which they have competed, the members of the team provided some close competition for the best New England teams. So far this season, they have defeated Northeastern and a strong R.P.I. team and have lost to Harvard, Wentworth, Brooklyn Polytech, M.I.T., Rutgers and Northeastern in a return match.

Saturday, February 17, the team shot a match with Yale and February 24 a triangular match with Norwich and Coast Guard. The results of these have not yet come in. Next Saturday, March 2, they have another triangular with Bowdoin and Conn. State.

The one thing which the Rifle Team needs more than anything else is freshman recruits. If enough promising freshmen can be persuaded to come out for the team there is no reason why we should not stand much higher in the league next year.

A. S. M. E. Conclave

(Continued from Page 1, Col. 2)

Accommodations, Kenneth Fowler, chairman; Willard Riddick, Jr., Robert M. Holby, Frederick Miller, Lawrence Krause, Elton J. Seegge, Charles Sutton, and Robert E. Allen.

Transportation, Rolfe G. Johnson, chairman; Fritz Johanson, Robert W. Hewey, and Bruce G. Potter.

Program and tickets, Henry J. Paulsen, chairman; Clark Goodchild, Joseph Halloran, Jr., and John J. Sprague.

Photography, Richard H. Kimball, Jr.

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Fraternities

THETA KAPPA PHI

The following men were initiated into Theta Kappa Phi Sunday, February 25: Richard Jaspas, John V. Quinn, William Grabowski, Charles Jenkins, Wilnot Keogh, Francis X. Lambert, Edward Lipovski, Frank Lucca, Edward Matasik, Frank Morrison, Henry Parzick, and Francis X. Shoen. The initiation banquet was held Sunday afternoon at Putnam and Thurston's. Mr. James Shea of Springfield, trustee of W. P. I., Father Malumphy of the Immaculate Conception Church, and Dr. Charles E. Burns were the speakers.

SIGMA ALPHA EPSILON

Thirty-five couples attended the annual winter formal of the Sigma Alpha Epsilon house held last Saturday night. Music by a ten piece band was plenty attractive. Among those attending were the following members of the faculty: Prof. and Mrs. Fitzgerald, Prof. and Mrs. Carpenter, Prof. and Mrs. Higginbottom and Prof. and Mrs. Gay.

ALPHA TAU OMEGA

After undergoing in the accepted manner the usual and unusual trials and tribulation of "Fraternity Week," the following pledges were conferred membership in a formal installation Sunday. The new members are Walter Deacon, Woronoco, Mass.; Henry Durick, Jr., Springfield, Mass.; Philip Gow, Auburn, Mass.; Robert Green, Worcester, Mass.; Glennon Hill, Great Neck, New York; Eric Linden, Rye, New York; James Loomis, Springfield, Mass.; Leon Rice, Manchester, N. H.; Stanley Wolcott, Worcester, Mass.

SIGMA PHI EPSILON

Members of Sig Ep and their guests celebrated Washington's Birthday holiday with an afternoon of skiing on Mount Wachusett's Balanced Rock Trail, supper at the Ski Lodge, and

an evening of songs and fun in front of the huge fireplace. The moon afforded plenty of light for skiing back to the cars when the party finally broke up but hindered some of the boys somewhat.

PHI SIGMA KAPPA

During the past week Phi Sigma Kappa has completed the initiation of fifteen new members. All are members of the present Freshman class, and fourteen are dormitory residents. The new initiates are Robert A. Bierweiler, Ossipee, N. H.; Edwin E. Campbell, of Northampton; Thomas W. Crossley, of Kearney, N. J.; Richard F. Dyer, of Framingham; Colin H. Handforth, of Ossining, N. Y.; George Hickerson, of East Rockaway, N. Y.; Wallace R. Lindsay, of Amsterdam, N. Y.; Herbert W. Marsh, of Pittsburgh, Penn.; Richard M. North, of Fitchburg; Samuel B. Norton, of Edgartown; Earl G. Page, of Edgewood, R. I.; Theodore A. Pierson of Hopewell, N. J.; Behrends Messer, of Scarsdale, N. Y.; Franklin K. Holbrook, of Ansonia, Conn., and Winthrop E. Wilson, of Worcester. The final initiation was last Saturday, and the initiation banquet will be held next Sunday, March 3, 1940.

PHI GAMMA DELTA

Last Saturday evening, February 24, marked the beginning of the initiation of fifteen Phi Gam pledges. Following the Clark basketball game, two groups were sent out from the house "to take a walk." The remainder of the in-formal initiation will take place this week.

The following freshmen are being initiated: William Allen, Jr., Paul Atkinson, Richard Bonnet, Herbert Ferris, Robert Grant, Robert Handsel, Robert Montgomery, Gilbert Moss, David Nye, Edward Peterson, Robert P'm William Reinecke, Robert Seaton, Alfred Tenny, James Wilson.

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Sports Sidelights

By Charles L. Hoebel

Tech's basketball team travels for the last time this year on Wednesday, when they move to Medford to take on the Tufts team. The Jumbos, who have been up and down all season, have, on the whole proved to be a strong team. True their showing of strength was more pronounced earlier in the season than lately. In their opening game they trounced Assumption, 60 to 21. Then they beat the strong Brown team, 40 to 32. However, B. U. upset them by one point, 44 to 43. Last Saturday Brown took their return game, 53 to 43, and the biggest upset of the year, Mass. State topped them by two points a few weeks ago, 42 to 40. Most of the spectacular scoring on the part of the Tufts team is being done by Charlie Tibbs, rangy center, and his sidekick for the third year, Frank Jenkins, fast-breaking forward. Two years ago, Tech romped over the Jumbos at their Medford gym, but last year, when they came to Worcester, they made the team work to win. The team has been built up this year around much the same men as in these past two years. . . . Saturday's game will show Tech meeting one of the strongest teams in New England, in the team from the University of Connecticut. A consistent winner, this team trimmed M. I. T. by a 66 to 36 score, and Mass State by a 65 to 35 count. Saturday they lost to the Rhode Island Rams a game that was a scoring spree on both sides, by the amazing score of 102 to 81. This total score of 183 points in one game must have set a record of some kind. . . . The U. of Conn., then Conn. State, was one of the teams to beat Tech's basketball five last year by that heart-breaking one-point margin. In fact, the Nutmeggers seem to have the knack of topping Tech teams annually. . . . Several persons have intimated to this writer that certain stellar performers for Tech, as our record-breaking Willard Riddick are being slighted in this column. Let me remind my readers (both of them) that the purpose of this column is to bring to light points of interest about the teams and the men on them, that Tech teams will meet in the future. Let me say that I was as thrilled as any spectator in the Fuller Pool gallery Saturday when Riddick, for example, smashed his 100-yd. record and swam that sparkling anchor-leg on the relay team as it, too, pulled down a new college record. . . . The tankers are hosts for the last time this year next Saturday, when they meet the U. of Conn. in the Fuller Pool. Any Tech man who has not seen this team in action has missed something. This year's team of Frank Grant's is probably the best team of natators Tech has ever had. And here is the last chance to see Bill Riddick swim at home. If you did not know, he holds every school record for his specialties.

Jayvee Hoopsters Trim Clark Seconds

As in the main game the one outstanding feature of the Jayvee contest was roughness. Right from the beginning it was apparent that no quarter would be given, no holds barred. In fact the first five points made were foul shots by Harding, Peterson, and Lipovsky of Tech. In spite of the nervous tension that seemed to grip the whole gym, our second stringers really clicked. They showed speed and fight throughout the entire contest. The starting combination of Peterson, Lipovsky, Harding, Smith, and Jasper just couldn't be stopped. Clark never overcame the early lead which they set up. At quarter time the score was 15-4 in Tech's favor, at half it was 24-12, and the game ended 40-28.

Our boys have something to be proud of, for in spite of the rough and tumble contest they came through. Every man played excellent ball: Captain Jasper and Warren Harding were especially outstanding for their floor work, and led the scoring. Jasper with 10 tallies, and Harding with 11. Don Smith played fine defensively, while Bill Gere took every ball off the backboard. For Clark, Racine scored 11 points.

Box score:

| WORC. TECH | CLARK |
|-------------------|-------------------|
| Jasper If 5 0 10 | Racine If 3 5 11 |
| Bates If 0 0 0 | Fram rf 1 1 3 |
| Harding rf 4 3 11 | Reed rf 1 0 2 |
| Freeman rf 0 0 0 | Doolittle c 2 1 5 |
| Smith c 1 1 3 | Anderson lg 1 0 2 |
| Tutti c 1 3 5 | Reynolds lg 0 0 0 |
| Allen c 0 0 0 | Thompson rg 3 1 7 |
| Lipovsky lg 1 0 2 | Leninon rg 0 0 0 |
| Gere rg 1 2 4 | Carini rg 0 0 0 |
| Petersen rg 1 3 5 | |
| Totals 14 12 40 | Totals 10 8 28 |

Referee, Sullivan.

T. K. P. and Lambda Chi Lead Bowling

As Interfraternity Bowling finished up its second full week, Theta Kap is left with the only clean slate, having taken every point in its one match from S.A.E. Lambda Chi, paced by Scott, who has bowled the highest single string and the highest three string total so far, has the most impressive score with ten points won and only two lost. Sig Ep comes in third with eight points out of a possible twelve. Phi Gam, S.A.E., and Phi Sig have managed to break even, although Berggren of Phi Sig leads the league in average.

Averages:

| Player | Score |
|--------------------|-------|
| Berggren, P.S.K. | 101 |
| Scott, L.X.A. | 98.8 |
| Sherwin, T.X. | 95.3 |
| Dunklee, L.X.A. | 94.2 |
| Raynton, A.T.O. | 94 |
| Jasper, T.K.P. | 91.5 |
| Bates, L.X.A. | 91.3 |
| Lere, S.O.P. | 90 |
| Durick, A.T.O. | 90 |
| Blades, S.A.E. | 89.3 |
| Kokins, P.S.K. | 89 |
| Oneglia, T.K.P. | 88 |
| Cameron, P.G.D. | 88 |
| Ferguson, T.X. | 87.5 |
| Crane, S.P.E. | 87.3 |
| Whitehead, S.P.E. | 87.1 |
| Bosworth, P.G.D. | 86.1 |
| Rhodes, T.X. | 85.8 |
| Jurga, T.K.P. | 85.6 |
| Brand, P.S.K. | 85.3 |
| Alden, S.P.E. | 85.1 |
| McDonald, P.S.K. | 85 |
| Bail, L.X.A. | 85 |
| Lambert, S.P.E. | 85.2 |
| Bradford, S.A.E. | 84.8 |
| Peck, P.G.D. | 84.6 |
| Hill, A.T.O. | 84.5 |
| Goodman, S.O.P. | 84 |
| Marsh, P.S.K. | 83.6 |
| Soloway, S.O.P. | 83.3 |
| Rice, A.T.O. | 82.8 |
| Blaisdell, A.T.O. | 82.3 |
| Chaffee, S.A.E. | 82.3 |
| Wilson, A.T.O. | 82 |
| Lang, P.G.D. | 81 |
| Mallonee, T.K.P. | 81 |
| Bolton, S.P.E. | 79.5 |
| Lambert, T.K.P. | 78.6 |
| Carangelo, S.A.E. | 77 |
| G. Cohen, S.O.P. | 76 |
| Muir, P.G.D. | 78.2 |
| McLeod, S.A.E. | 75.6 |
| Franklin, S.O.P. | 75.5 |
| Wingardner, P.S.K. | 75 |

TEAM STANDING

| Team | Won | Lost |
|-------------------------------------|------|------|
| L.X.A. | 10 | 2 |
| T.K.P. | 4 | 0 |
| S.P.E. | 8 | 4 |
| P.G.D. | 6 | 6 |
| P.S.K. | 4 | 4 |
| S.A.E. | 4 | 4 |
| T.X. | 3 | 5 |
| S.O.P. | 2 | 10 |
| A.T.O. | 2 | 10 |
| High singles string, Scott, L.X.A. | 124 | |
| High 3 string single, Scott, L.X.A. | 324 | |
| High team single, L.X.A. | 439 | |
| High team total, L.X.A. | 1168 | |

Tech Trounces Northeastern, Mass. State

56-46 and 64-43 Wins Star Wells, Forkey and Bellos

Piling up nearly two points a minute during a furious second half barrage, Tech rolled to its ninth straight victory in its lately-snapped win streak last Tuesday at the expense of Mass. State. The game remained a contest through the first half, but turned into a 64-43 walkaway in the later stages. At half-time, Tech commanded a three-point lead, 27-24.

Co-captain Forkey came away with the scoring honors, having accounted for 24 of the team's total points, while Al Bellos ran a close second with 19 points. Long John Wells had a little trouble finding the basket, but added to his season's impressive total by nudging the ball through the hoop five times for ten markers, and starred in setting up scores for his teammates.

The first half was fought on even terms, with Tech just a shade in command of the situation. Lew Norwood, lanky center for Mass. State, gave Tech rooters no end of worry and kept his team in the thick of the fight with his unerring bucket shots. However, just before mid-time Bellos swished the cord with a twin-counter, and Forkey dropped in a free shot to establish a 27-24 lead.

Coach Bigler's locker-room advice did wonders for the team in the second half, and improved play in every department and assured an easy victory. Even the loss of Johnny Wells via the foul route could not stop the Tech score from mounting. The Staters were badly outclassed as Shlora, Forkey, Wells, and Bellos dunked the cowhide from all angles, and the question was merely as to the size of the final score.

| WORC. TECH | MASS. STATE |
|------------------|--------------------|
| Bellos If 8 3 19 | Rudge If 2 2 6 |
| Bosyk If 0 0 0 | Breglio If 0 0 0 |
| Lotz rf 1 0 2 | Hurley If 0 0 1 |
| Lambert rf 0 0 0 | Silverman If 0 0 0 |
| Wells c 5 0 10 | Smith rf 3 2 6 |
| Oneglia c 0 0 0 | Triggs rf 0 0 0 |
| Shlora lg 2 5 9 | Norwood c 5 2 12 |
| Forkey rg 9 6 24 | Frodyma c 1 0 2 |
| | Walsh lg 3 1 7 |
| Totals 25 14 64 | Seery lg 0 0 1 |
| | Miles rg 2 0 4 |
| | Allan rg 1 0 2 |
| | Wall rg 0 0 0 |
| | Totals 17 9 43 |

Umpire, Winters; Referee, Farrell.

TECH NORTHEASTERN

By the simple expedient of getting an early lead and then holding it throughout the rest of the game, Tech's basketball forces overcame Northeastern's to pile up their tenth consecutive win last Thursday at Boston, 56-46. The frequently-beaten Huskies were out to win their last game, but could not overcome Tech's abundant height and experience.

Long John Wells outscored rivals and teammates alike, netting 21 points. Al Pajonas, the high-scoring sophomore sensation of Northeastern, was next in line with 18 counters to his credit, while Ray Forkey rustled the cords for the third-best total of 16.

Johnny Wells provided the impetus for Tech's first scoring thrust, sending the score to 5-0. A goal by Pajonas followed, and then Wells, Forkey, and Shlora tossed to a 14-4 score. This lead was maintained for about six minutes, when Northeastern's first scoring spurt brought the count to 26-21. Three more Tech baskets, however, made the score 34-23 at the whistle.

(Continued on Page 4, Col. 2)

Tech Swim Team Garners Fourth Win in Squelching Trinity 43-32

Tech Track Team In Close Third

Wackerbarth and Fritch Gather Most Points For Crimson and Gray

The Worcester Tech track team made its only appearance of the indoor season in a triangular meet with Tufts and Mass. State at Mass. State on Saturday.

Worcester Tech's tracksters finally yielded second place to Mass. State by virtue of State's strength in the broad jump and pole vault.

The final standing of the teams were Tufts 71, Mass. State 21, and W. P. I. 18.

Fred Wackerbarth captured Tech's only first place with a 5 ft. 10 1/4 in. effort in the high jump, for a new M. S. C. record. While Carl Fritch gathered as many points, by a second in the 35 yard dash and a third in the 300. A. Kaboichek placed second in the 600, with Bob Lotz and W. Wiley annexing another three points in shot put. A fourth by Burns in the mile and Wilson in the 1000 completed the scoring for the Crimson and Gray.

The summary:

35-yard high hurdles—Won by Dugger, Tufts; 2nd, Hall, Tufts; 3rd, Brinerd, Tufts; 4th, Joyce, Tech. Time 4.8 sec. (New Cage record).
35-yard dash—Won by Dugger, Tufts; 2nd, Fritch, Tech; 3rd, Frandreau, Tufts; 4th, Terry, Tufts. Time 4.4 sec.
Mile run—Won by Atkinson, Tufts; 2nd, Gaard, Tufts; 3rd, Putney, State; 4th, Burns, Tech. Time 4 min. 43.5 sec.
300-yard run—Won by Dugger, Tufts; 2nd, Frandreau, Tufts; 3rd, Fritch, Tech; 4th, O'Connor, State. Time 34.1 sec. (New Cage record).
1000-yard run—Won by Atkinson, Tufts; 2nd, Keigan, Tufts; 3rd, Alcott, Tufts; 4th, Wilson, Tech. Time 2 min. 28.4 sec.
600-yard run—Won by Hall, Tufts; 2nd, Naboichek, Tech; 3rd, King, Tufts; 4th, Kimball, State. Time 1 min. 18.2 sec.
Shotput—Won by Pollard, Tufts; 2nd, Freitas, State; 3rd, Lotz, Tech; 4th, Wiley, Tech. Distance 43 ft. 5 in.
High jump—Won by Wackerbarth, Tech; 2nd, Grant, Tufts; 3rd, Sanborn, State; 4th, Pollard, Tufts. Height 5 ft. 10 1/4 in. (New Cage record).
Pole vault—Won by Budz, State; 2nd, Paegel, Tufts; 3rd, Kirkpatrick, Tufts; 4th, Morganson, Tufts. Height, 11 ft. 7 in. (New college and Cage record).
Broad jump—Won by Tappin, State; 2nd, Frandreau, Tufts; 3rd, Lynch, Tufts; 4th, Adams, State. Distance 21 ft. 9 1/4 in.

Clark Game

(Continued from Page 1, Col. 5)

drew to a close Clair entered the game in place of Maslowski for Clark and Oneglia replaced Bob Lotz at right forward for Worcester Tech. With only a minute of play remaining, Long John Wells was forced to leave the game, and Lotz reentered the encounter for the remaining few seconds of play.

Manarel in spite of his close guarding of Wells was not able to hold John down and Wells fine brand of basketball showed amazing self-control. Bellos, Forkey and Shlora also turned in very credible performances. Bob Lotz was not in very good condition for in the afternoon he had competed in a track meet at Mass. State College and without a doubt this tired him somewhat.

Tech's next game is with Tufts on the 28th and is away from home. This coming Saturday Tech has a game scheduled with Conn. State in Alumni Gym and the game should prove very exciting.

Summary:

| CLARK | WORC. TECH |
|---------------------|------------------|
| Maslowski If 6 2 14 | Bellos If 5 0 10 |
| Clair If 0 0 0 | Lotz rf 1 0 2 |
| Shopes rf 5 3 13 | Oneglia rf 1 0 2 |
| Manarel c 1 1 3 | Wells c 6 1 13 |
| Karpoe lg 2 3 7 | Forkey lg 3 1 7 |
| Donohue rg 3 1 7 | Shlora rg 3 0 6 |
| Totals 17 10 44 | Totals 19 2 40 |

Referees, Dick Roberts, Pat Haughey. Two 20-minute periods.

Engineers Cop Five Firsts; Riddick Again Sets College Pool Mark in 100 yd. Event

The Tech swimming team won its fourth straight victory of the season over Trinity last Saturday, February 24, by a score of 43-32. The Engineers won five first places in the nine events, while Trinity carried away four. Two records were broken during the course of the meet. Captain Bill Riddick broke the college and pool record in the 100 yard freestyle, and the 400 yard freestyle relay team, consisting of Fred Chamberlin, Bill Jackson, Bob Paige, and Bill Riddick, lowered the college standard in this event.

The opening of the meet made the outlook seem rather bad for the Tech mermen when the Trinity medley relay team forged ahead at the start and stayed there easily to win.

In the 220 yard freestyle Stirling and Paige, swimming for Tech, went into the lead at the start and stayed there until there were only two laps to go. At this point Trinity's Orfittelli put on a terrific sprint and passed Paige. When the 200 yard mark was reached Orfittelli, thinking he was at the finish, stopped. Seeing the other men continue, he started again and managed to take second place from Paige by a split second. Stirling retained his lead to win.

Captain Riddick and Ray Wynkoop had little trouble in winning first and second in the 60 yard dash over Smith and Wamsley of Trinity.

Trinity came back in the dive when Neill won a close decision over Tech's divers Ingham and Kennedy who won second and third respectively.

Again Trinity showed their strength in the specialty strokes when Conway and Morhardt took a first and second away from Fred Shippee in the 150 yard backstroke, and when Smith, of Trinity, won the 200 yard breaststroke. Clark Goodchild netted a second place for Tech, while third place went to Day, of Trinity.

Harry Stirling again showed his stamina when he went into the lead about half way through the 440 yard freestyle and stayed there to win over Orfittelli. Crandell, who paced the race for several hundred yards copped a third for Tech.

Riddick and Wynkoop took another first and second in the 100 yard freestyle and it was in this event that Riddick broke the college and pool record. His time of 54.6 seconds was two tenths better than the old record.

When the 400 yard freestyle relay came up, the score was 36-32 so the winner of this relay would win the meet. Fred Chamberlin led off for Tech and turned in a beautiful performance. By the time Bill Jackson went off the mark Chamberlin had picked up a lead of two yards. Jackson held onto this lead and turned it over to Paige, Tech's third man. Paige held ground for four laps and then in the last lap gained another yard. At this point Riddick took over and it was the same old story. Riddick went ahead like a shot and finished eight yards ahead of the Trinity anchor man. The time 3:50.4 is a new College record.

Next week the Tech mermen will tackle the tough University of Connecticut in the home pool. The Engineers will be out for their fifth straight.

300 yd. medley relay: Won by Trinity (Conway, F. Smith, D. Smith); Second, Tech (Shippee, Hopkins, Chamberlin). Time 3:19.2.

220yd. freestyle: Won by Stirling (W). Orfittelli (T) second, Paige (W) third. Time: 2:30.0.

60 yd. freestyle: Won by Riddick (W). Wyn-

(Continued on Page 4, Col. 1)

Plans Made By Outing Club at Monthly Meeting

Ski Team to Race Mass. State and Worcester Ski Club On Wachusett Sunday

Tuesday evening, February 20, 1940, the Outing Club held a meeting in the Commons Room of Sanford Riley Hall. Two films were shown. One pertained to the Winter Olympics of 1936; the other was entitled "The Epic of Everest" Dick Kimball, '42, showed some fine colored slides which he had taken on the Suicide Six Trail at Woodstock, Vermont, when members of the Outing Club skied there. Future club competition was discussed, and arrangements were made to hold club races at Mt. Wachusett on Thursday, February 22, and on Sunday, February 25. Also discussed at this meeting was the matter of a club pin. However, this was discarded due to the prohibitive price asked by the manufacturers. The idea of holding a sleigh ride under the auspices of the club was presented, but as no agreement as to date could be reached the matter was tabled. There was no further action taken on the hockey situation due to the adverse skating conditions now present. Refreshments of maple sugar on snow (of which there was a bountiful fresh supply right outside the door!) were served to twenty-five ski and hockey enthusiasts.

On Thursday, February 22, and Sunday, February 25, two carloads of club members skied the Balanced Rock and Pine Tree trails at Mt. Wachusett. Also on Thursday, the twenty-second, Robert Dunklee, '40, president of the Outing Club, participated in the competitive jumping at Lancaster, Mass. On next Sunday, March 3, there will be a triangular downhill race between Massachusetts State College, The Worcester Ski Club, and the Tech Outing Club at Mt. Wachusett. Tech racers will include Dunklee, Nye, Johnson, Reiche, Saarnijoki, and Ferguson. The race is scheduled for 1:00 P. M. and will consist of two runs down the Pine Tree trail. This will probably be the most interesting race of the year, and anyone wishing to view the Tech team in action should be at the mountain that afternoon.

SPRING VACATION TRIP

Plans are already being made for the annual three-day spring vacation ski outing to Pinkham Notch and Tuckerman Ravine. Individual expenses, based on previous years, should not exceed a \$5.00 total. Reservations should be made with Dunklee within the next two weeks.

THETA CHI

On the eve of Washington's birthday thirty-five couples attended a formal ball at Theta Chi. The Boyntonians played for dancing.

Swimmers Win

(Continued from Page 3, Col. 4)
koop (W) second, Morhardt (T) third. Time: 30.0.
Dive: Won by Neill (T), Ingham (W) second, Kennedy (W) third.

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100 yd. freestyle: Won by Riddick (W), Wynkoop (W) second, D. Smith (T) third. Time: 54.6. New college and pool record.
150 yd. backstroke: Won by Conway (T), Morhardt (T) second, Shippee (W) third. Time: 1:49.8.
200 yd. breaststroke: Won by Smith (T), Goodchild (W) second, Day (T) third. Time: 2:47.6.
440 yd. freestyle: Won by Stirling (W), Orfittelli (T) second, Crandell (W) third. Time: 5:40.0.
400 yd. freestyle relay: Won by Tech (Chamberlin, Jackson, Paige, Riddick), second, Trinity (Earle, Conway, Morhardt, Smith). Time: 3:50.4. New college record.

Midweek Games

(Continued from Page 3, Col. 3)

The second half opened with a splurge by Forkey and Wells that fashioned a 47-30 score. The huskies then turned on the heat once again and with Pajonas garnering eight points in the last eight minutes, shoved the lead from 17, to 10 points, where it stood when the bark of the timers' gun caused the activity to cease.

| WORC. TECH. NORTHEASTERN | | | |
|--------------------------|---------|-------------|----------|
| fg | ft | fg | ft |
| Bellos rf | 4 0 8 | Gurney lg | 5 1 11 |
| Lots lf | 1 1 3 | Grinkis lg | 0 0 0 |
| Wells c | 10 1 21 | Sullivan rg | 1 1 3 |
| Forkey rg | 7 2 16 | Chechms rg | 0 0 0 |
| Lambert rg | 1 0 2 | Gleason c | 2 4 8 |
| Shlora lg | 1 1 3 | Smith c | 0 0 0 |
| Oneglia lg | 1 1 3 | Toucey lf | 1 4 6 |
| | | Smith lf | 0 0 0 |
| Totals | 25 6 56 | Pajonas rf | 8 2 18 |
| | | Totals | 17 12 45 |

Homework

(Continued from Page 1, Col. 4)

P.M. All interested are invited to attend.

A poster giving more details of the instrument may be seen on the Mathematics Department bulletin board in the Electrical Engineering Building.

Health Week

(Continued from Page 1, Col. 1)

gram which is being observed from February 25 through March 2 and is sponsored by the Worcester Young Men's Christian Association.

Health Week is a community effort involving the Worcester District Medical Society and many civic bodies. Its purpose is to stimulate men and women to consider their health through the medium of health talks, films, literature, radio, newspapers and other publications so that authentic information and sound counsel may become available to the public.

Health Week has been timed to occur at a period when the incidence of colds and similar infections is heavy. Statistics reveal that heart difficulties show a rise of 30 per cent at this time of the year as compared to summer. More than 100 health week programs have already been requested and provided for by more than 60 different organizations. Dr. David G. Ljungberg, Chairman of the Health Education Committee of the Worcester "Y" is in general charge of the Health Week project.

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